

**BfR**

Risiken erkennen – Gesundheit schützen

## MS/MS Parameters of Pesticides

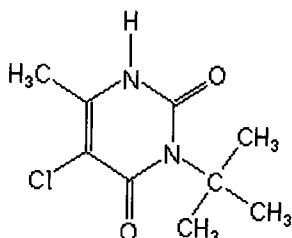
### Analyte: Terbacil

CAS No.: 5902-51-2

Formula: C<sub>9</sub>H<sub>13</sub>ClN<sub>2</sub>O<sub>2</sub>

Molecular mass (lowest isotopes): 216,07 amu

Structure:



Ionisation: ESI +

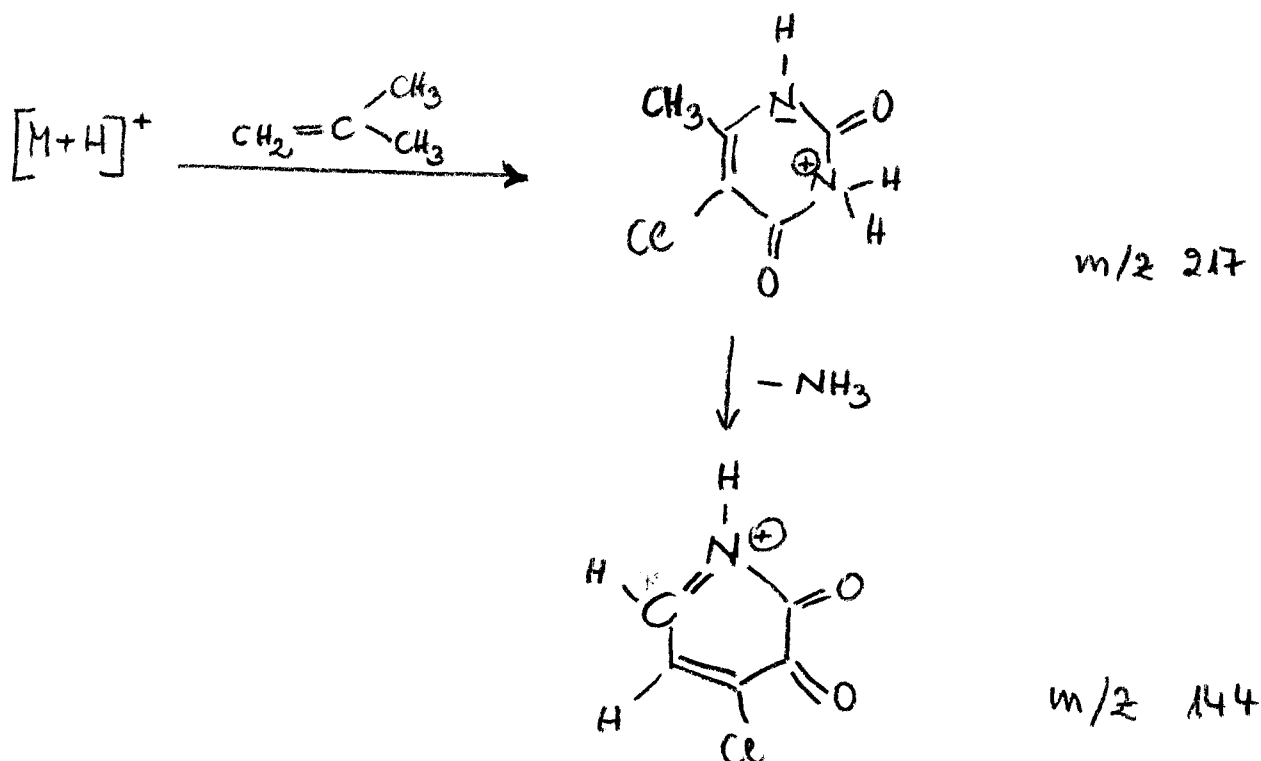
Quasimolecular ion: 217,0 amu = [M+H]<sup>+</sup>

Analyte sensitive parameter set (API 2000)

Transition	217,0 → 161,0	217,0 → 144,0
Declustering potential (DP)*)	21 V	21 V
Focusing potential (FP)	370 V	370 V
Entrance potential (EP)	9,5 V	10,0 V
Collision cell entrance potential (CEP)	12 V	16 V
Collision energy (CE)	17 V	35 V
Collision cell exit potential (CXP)	8 V	8 V

\*) For API 3000 and 4000 enhance DP by 20V

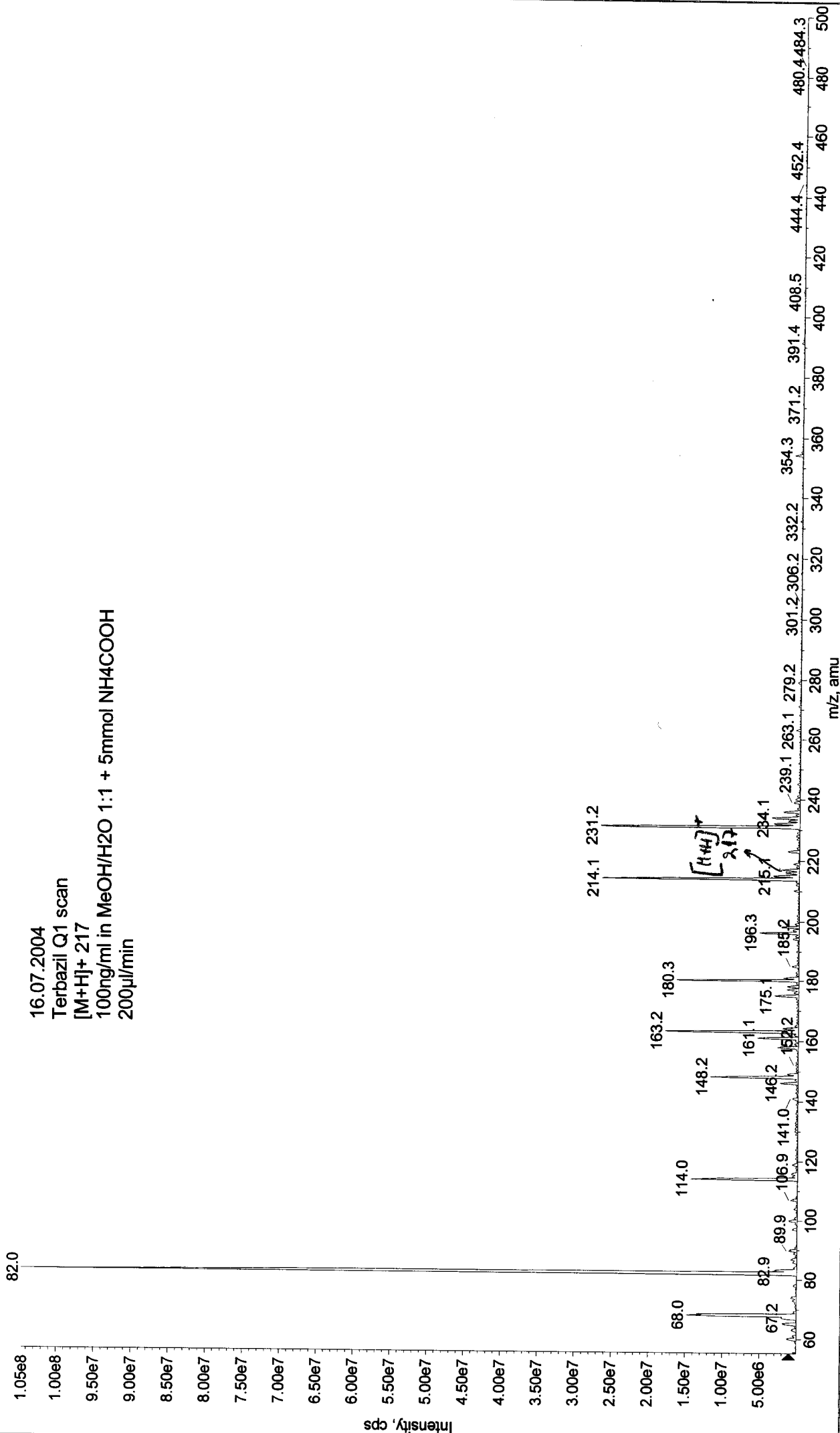
### Fragmentation

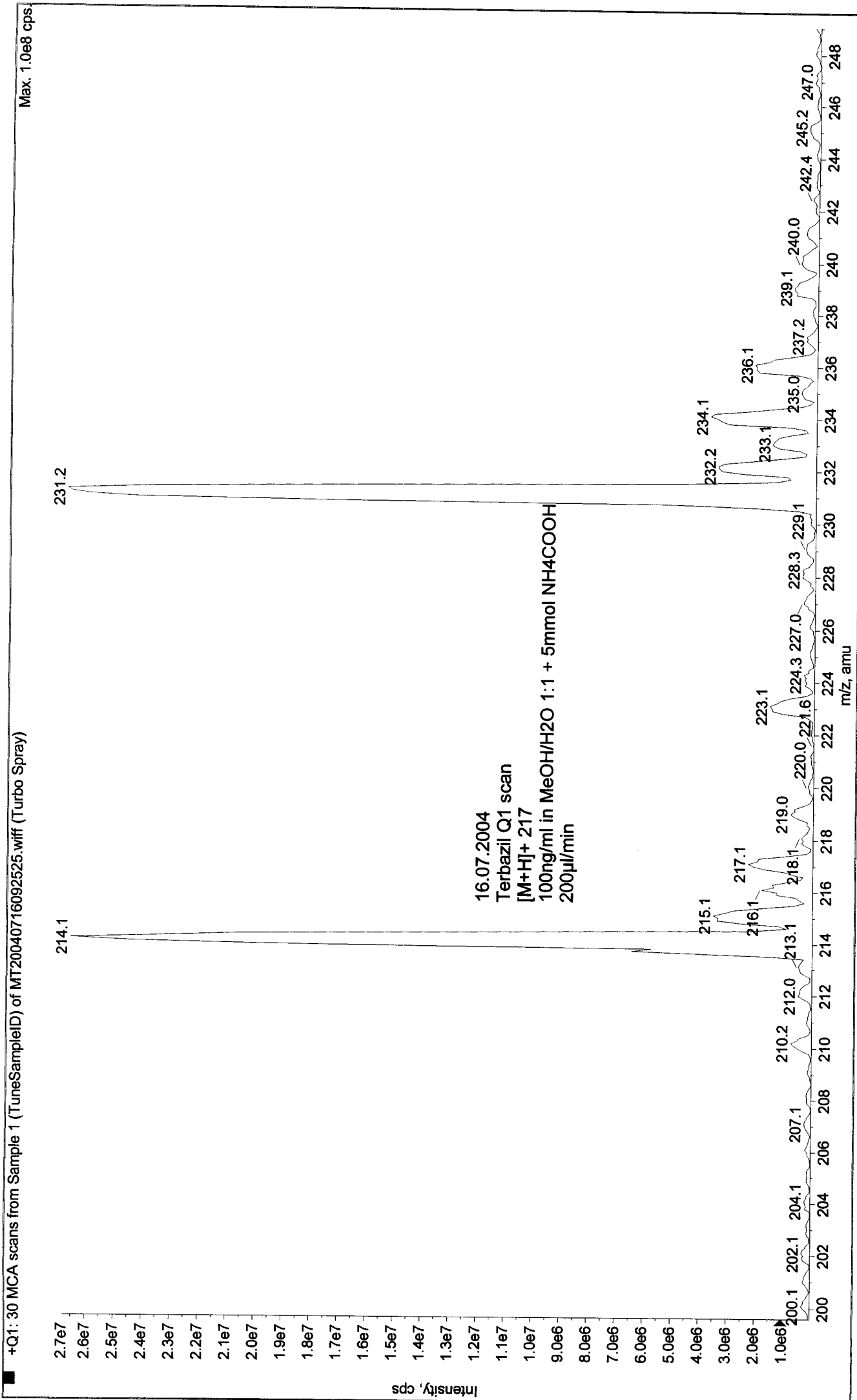


+Q1: 30 MCA scans from Sample 1 (TuneSampleID) of MT20040716092525.wiff (Turbo Spray)

Max. 1.0e8 cps

16.07.2004  
Terbazil Q1 scan  
[M+H]<sup>+</sup> 217  
100ng/ml in MeOH/H<sub>2</sub>O 1:1 + 5mmol NH<sub>4</sub>COOH  
200µl/min





+MS2 (217.00): 30 MCA scans from Sample 1 (TuneSampleID) of MT20040716100443.wiff (Turbo Spray)

Max 5.2e5 cps

161.1

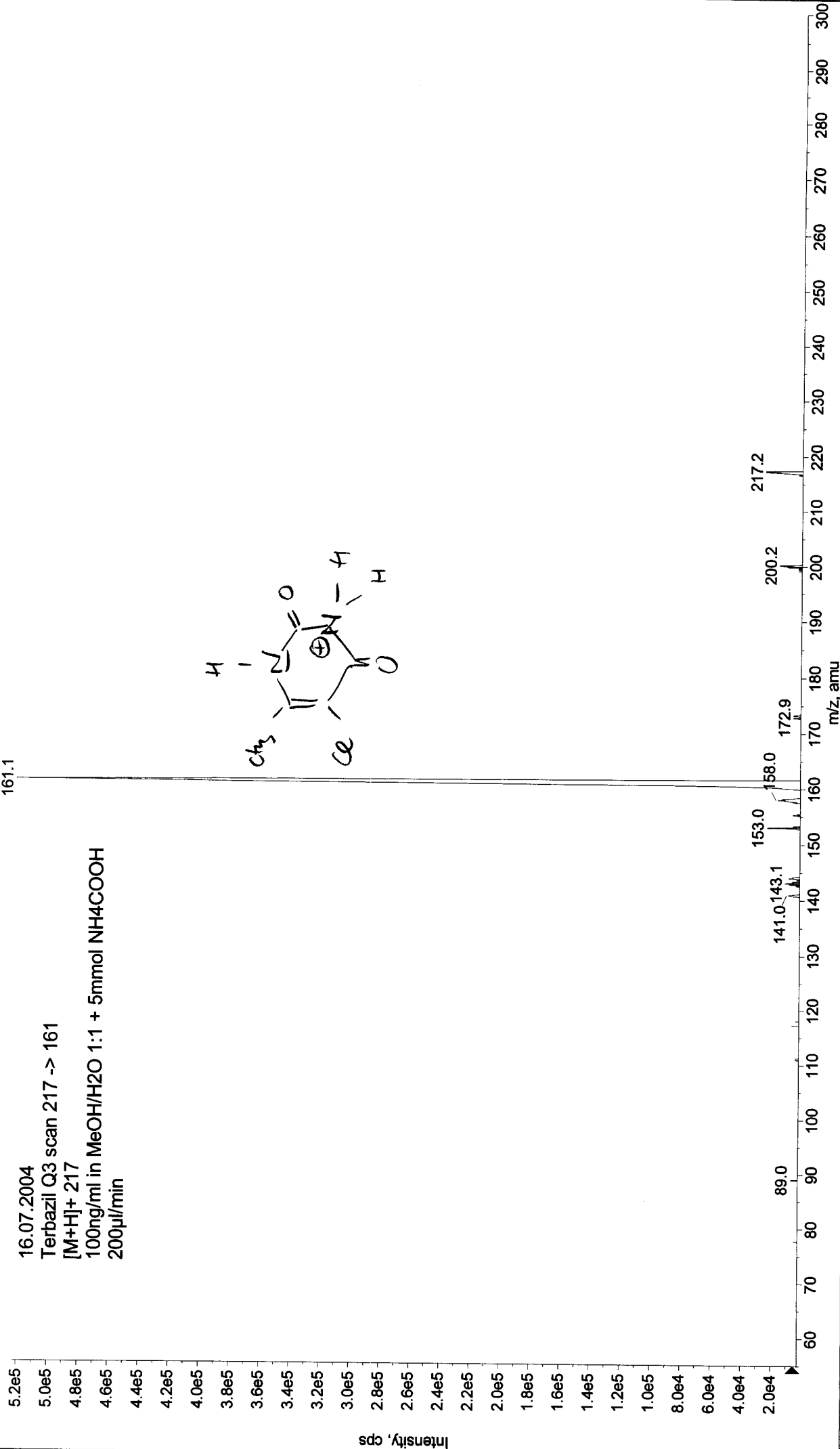
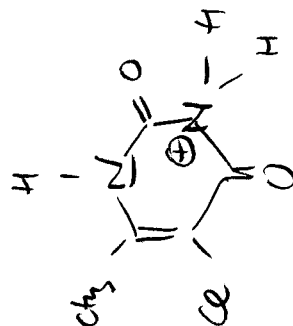
16.07.2004

Terbafil Q3 scan 217 -> 161

[M+H]<sup>+</sup> 217

100ng/ml in MeOH/H<sub>2</sub>O 1:1 + 5mmol NH<sub>4</sub>COOH

200µl/min



Printing Time: 10:07:10  
Printing Date: Friday, July 16, 2004

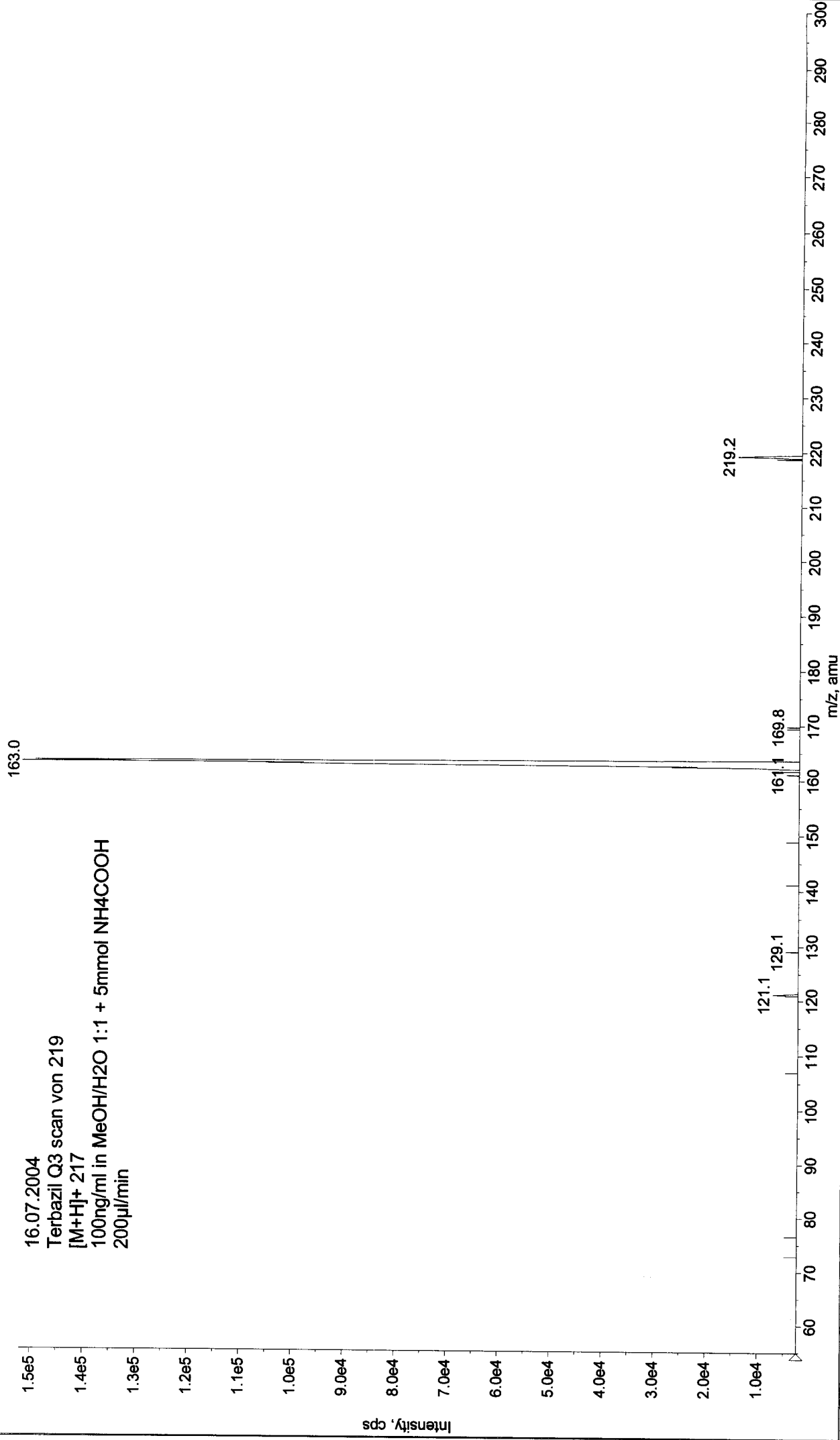
Acq Time: 10:06  
Acq Date: Friday, July 16, 2004  
Acq File: MT20040716100602.wiff

Sample Comment:  
Sample Name: TuneSampleID  
Batch Name: ManualTune.bat

■ +MS2 (219.00): 30 MCA scans from Sample 1 (TuneSampleID) of MT20040716100602.wiff (Turbo Spray)

Max. 1.5e5 cps.

16.07.2004  
Terbafil Q3 scan von 219  
[M+H]<sup>+</sup> 217  
100ng/ml in MeOH/H<sub>2</sub>O 1:1 + 5mmol NH<sub>4</sub>COOH  
200µl/min



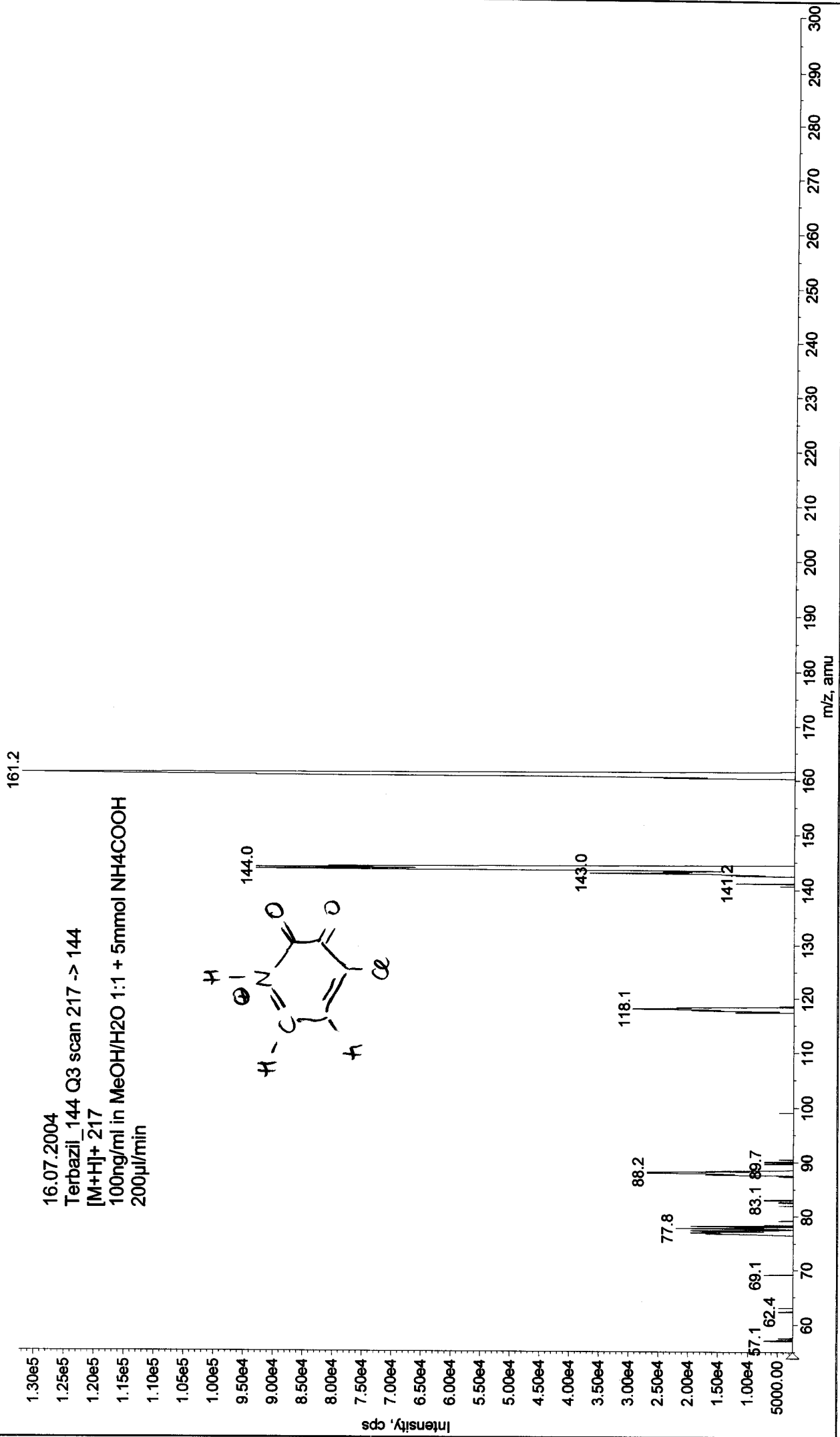
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Printing Date: Friday, July 16, 2004

Acq. Time: 10:20  
Acq. Date: Friday, July 16, 2004  
Acq. File: MT20040716102044.wiff

Sample Comment:  
Sample Name: TuneSampleID  
Batch Name: ManualTune.bat

+MS2 (217.00): 30 MCA scans from Sample 1 (TuneSampleID) of MT20040716102044.wiff (Turbo Spray)

Max. 1.3e5 cps



Printing Time: 10:23:16

Printing Date: Friday, July 16, 2004

Acq. Time: 10:22

Acq. Date: Friday, July 16, 2004

Acq. File: MT20040716102216.wiff

Sample Comment:  
Sample Name: TuneSampleID  
Batch Name: ManualTune.bat

+MS2 (219.00): 30 MCA scans from Sample 1 (TuneSampleID) of MT20040716102216.wiff (Turbo Spray) Max. 4.2e4 cps.

